

WE CLAIM:

1. A method for determining a time zone based date and time from a Global Positioning System (GPS) signal comprising:
 - 5 receiving a time zone reference signal at a telematics device;
 - determining a local Coordinated Universal Time (UTC) correction from the time zone reference signal;
 - storing the local UTC correction; and
 - calculating local time from the local UTC correction and the GPS10 signal.
2. The method of claim 1 wherein the receiving a time zone reference signal at a telematics device comprises receiving a time zone reference signal on occurrence of an event selected from the group consisting of initial telematics15 device configuration, telematics device reconfiguration, a vehicle triggered event, and a system triggered event.
3. The method of claim 1 wherein the time zone reference signal is a GPS signal and the determining a local Coordinated Universal Time (UTC)20 correction from the time zone reference signal comprises:
 - determining a vehicle location from the GPS signal;
 - determining a local time zone from the vehicle location; and
 - determining a local UTC correction for the local time zone.
- 25 4. The method of claim 1 wherein the time zone reference signal is a Code Division Multiple Access (CDMA) signal including CDMA time and the determining a local Coordinated Universal Time (UTC) correction from the time zone reference signal comprises:
 - 30 determining UTC time from the GPS signal; and
 - calculating a local UTC correction from the UTC time and the CDMA time.

5. The method of claim 1 wherein the time zone reference signal is a Code Division Multiple Access (CDMA) signal including a CDMA local time correction and the determining a local Coordinated Universal Time (UTC) correction from the time zone reference signal comprises setting the UTC correction equal to the CDMA local time correction.

6. The method of claim 1 wherein the storing the local UTC correction comprises storing the local UTC correction in a location selected from the group consisting of an in-vehicle memory, a web-hosting portal database, and a communications services database.

7. The method of claim 1 further comprising scheduling mobile vehicle communication system activities based on the local time.

8. The method of claim 7 wherein the scheduling mobile vehicle communication system activities based on the local time comprises scheduling mobile vehicle communication system activities selected from the group consisting of Vehicle Data Uploads (VDUs), user requested notices, and system scheduled notices.

9. A system for determining a time zone based date and time from a Global Positioning System (GPS) signal comprising:
means for receiving a time zone reference signal at a telematics device;
means for determining a local Coordinated Universal Time (UTC) correction from the time zone reference signal;
means for storing the local UTC correction; and
means for calculating local time from the local UTC correction and the GPS signal.

10. The system of claim 9 wherein the means for receiving a time zone reference signal at a telematics device comprises means for receiving a time zone reference signal on occurrence of an event selected from the group
5 consisting of initial telematics device configuration, telematics device reconfiguration, a vehicle triggered event, and a system triggered event.

11. The system of claim 9 wherein the time zone reference signal is a GPS signal and the means for determining a local Coordinated Universal Time
10 (UTC) correction from the time zone reference signal comprises:
means for determining a vehicle location from the GPS signal;
means for determining a local time zone from the vehicle location;
and
means for determining a local UTC correction for the local time
15 zone.

12. The system of claim 9 wherein the time zone reference signal is a Code Division Multiple Access (CDMA) signal including CDMA time and the means for determining a local Coordinated Universal Time (UTC) correction from
20 the time zone reference signal comprises:
means for determining UTC time from the GPS signal; and
means for calculating a local UTC correction from the UTC time and the CDMA time.

25 13. The system of claim 9 wherein the time zone reference signal is a Code Division Multiple Access (CDMA) signal including a CDMA local time correction and the means for determining a local Coordinated Universal Time (UTC) correction from the time zone reference signal comprises means for setting the UTC correction equal to the CDMA local time correction.
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14. The system of claim 9 further comprising means for scheduling mobile vehicle communication system activities based on the local time.

5 15. A computer readable medium storing a computer program for determining a time zone based date and time from a Global Positioning System (GPS) signal, the computer program comprising:

 computer readable code for receiving a time zone reference signal at a telematics device;

10 computer readable code for determining a local Coordinated Universal Time (UTC) correction from the time zone reference signal;

 computer readable code for storing the local UTC correction; and

 computer readable code for calculating local time from the local UTC correction and the GPS signal.

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 16. The computer readable medium of claim 15 wherein the computer readable code for receiving a time zone reference signal at a telematics device comprises computer readable code for receiving a time zone reference signal on occurrence of an event selected from the group consisting of initial telematics
20 device configuration, telematics device reconfiguration, a vehicle triggered event, and a system triggered event.

17. The computer readable medium of claim 15 wherein the time zone reference signal is a GPS signal and the computer readable code for determining a local Coordinated Universal Time (UTC) correction from the time zone

5 reference signal comprises:

computer readable code for determining a vehicle location from the GPS signal;

computer readable code for determining a local time zone from the vehicle location; and

10 computer readable code for determining a local UTC correction for the local time zone.

18. The computer readable medium of claim 15 wherein the time zone reference signal is a Code Division Multiple Access (CDMA) signal including

15 CDMA time and the computer readable code for determining a local Coordinated Universal Time (UTC) correction from the time zone reference signal comprises:

computer readable code for determining UTC time from the GPS signal; and

20 computer readable code for calculating a local UTC correction from the UTC time and the CDMA time.

19. The computer readable medium of claim 15 wherein the time zone reference signal is a Code Division Multiple Access (CDMA) signal including a CDMA local time correction and the computer readable code for determining a
25 local Coordinated Universal Time (UTC) correction from the time zone reference signal comprises computer readable code for setting the UTC correction equal to the CDMA local time correction.

20. The computer readable medium of claim 15 further comprising
30 computer readable code for scheduling mobile vehicle communication system activities based on the local time.